



Name: _____

FIND SOMEONE WHO

Topic: Logarithm Properties

1. You and your partner work together. 2. Check each other's solutions. 3. Your partner signs.

1. Expand/condense:

$$\log_2 \frac{a^5 b^4}{c^2}$$

Partner's signature: _____

2. Expand/condense:

$$\log_3 (5x)^2$$

Partner's signature: _____

3. Expand/condense:

$$\log_3 \sqrt{2x}$$

Partner's signature: _____

4. Expand/condense:

$$\log_3 4 + 2 \log_3 x - \log_3 5$$

Partner's signature: _____

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5. Expand/condense:

$$\log_3 \left(\frac{27}{x} \right)^2$$

Partner's signature: _____

6. Expand/condense:

$$\frac{1}{2} \log_2 x - 3 \log_2 y$$

Partner's signature: _____

7. Expand/condense:

$$\log_3 \frac{x^3 y}{z}$$

Partner's signature: _____

8. Expand/condense:

$$\log_3(x + 5) - \log_3 4$$

Partner's signature: _____